General Notes:
This report contains results for all requested analyses.
All samples were received intact and at proper temperature.
Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Unless otherwise noted below, all required instrument and method QC was run and was within criteria.

Metals Analysis Note:
Uranium, strontium, lithium, tin, and titanium were analyzed as an on-demand analysis.

The detectable sample results for uranium were qualified estimated "J" due to a quality control sample outside of acceptance limits.

The quantitation limit for selenium for sample 1205011-10 was qualified estimated "UJ" due to the matrix spike outside of acceptance limits.

SVOAs Analysis Note:
All samples were extracted by EPA SW-846 Method 3520C followed by analysis using EPA SW-846 Method 8270D. Refer to notes in case file for additional information regarding the analysis.

For this project, one additional compound is added to the SVOC analysis; 1-methylnaphthalene. This is a non-routine analysis. All current in-house quality control limits were met.

For all samples, quantitation limits for 2,4-dinitrophenol are rejected "R" due to 0% recovery in the low-spike quality control check (BS1) and less than 10% recovery in the mid-level spike quality control check (BS2). For all samples, 4,6-dinitro-2-methylphenol and pentachlorophenol had less than 10% recovery in the low-spike quality control check (BS1) but within acceptance limits in the mid-level spike quality control check (BS2); therefore, quantitation limits are raised to the mid-level value. In the report, only 21 compounds are reported for blank-spike quality control check samples. Quality control information about the additional spiked compounds is available in the case file. The acceptance limits for 4,6-dinitro-2-methylphenol in the BS1 is 53-100%.

Results for a limited number of compounds found in all samples have been qualified "B" because of contamination found in either the method blank, field blank, or equipment blank.

Glycols by HPLC/MS/MS Note:
Samples were analyzed for diethylene glycol (DiG) (CAS# 111-46-6), triethylene glycol (TriG) (112-27-6), tetraethylene glycol (TeG) (112-60-7), 2-butoxyethanol (2-Bu) (111-76-2), and 2-methoxyethanol (2-Me)(109-86-4) by HPLC/MS/MS (inst id: TQD-LCMSMS) on a Waters Atlantis dC18 3um 2.1 x 150mm column (s/n- 0141301481).

An HPLC/MS/MS method does not currently exist for these analytes. SOP R3QA239 is in preparation. ASTM D7731-11 and EPA SW-846 Methods 8000C and 8321 were followed for method development and QA/QC limits, where applicable. All applicable OASQA On-Demand QA/QC protocols were followed. All QCs were within criteria.

According to OASQA On Demand procedures, a blank spike (BS) should be prepared at the NQL. Due to the varying NQLs, several low level blank spikes were analyzed. Low BS results are reported as “MRL check” samples in the report, with QC limits of 60-140%. Based on low BS recovery results, the NQL for 2-butoxyethanol was raised from 5 to 10ppb. MRL results that were qualified "A" were below the reporting limit and, other than raising the NQL of 2-Bu, no impact on data is expected.

The aqueous samples were injected without extraction onto the HPLC/MS/MS system.

Refer to notes in the case file for additional information regarding the analysis.

Nitrite/Nitrate Analysis Note:
Samples were run as an 'On-Demand' analysis. All required instrument QC was run and was within the required criteria.

Total Nitrogen Analysis Note:

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Samples were run as an 'On-Demand' analysis. All required instrument QC was run and was within the required criteria.

VOA Analysis Note:
Acrylonitrile was analyzed on-demand using CLP equivalent methodology. This analyte does not appear in the data tables or the QC summary and all data for this compound is summarized here. Acrylonitrile was not detected in any of the samples above a quantitation limit of 2 ug/L. A four-point curve was analyzed (2, 5, 10, and 20 ug/L). The samples were preserved to a pH<2 with HCl. A low-level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 101%. A mid-level second source blank spike was analyzed at a concentration of 5 ug/L with a recovery of 109% and at 10 ug/L with a recovery of 100%.

Matrix spike/matrix spike duplicate samples were prepared with sample 1205011-11 but were not analyzed due to instrument failure.

2-Chloroethylvinyl ether is not included in the analysis. 2-chloroethylvinyl ether breaks down in acidified samples.

TDS Analysis Note:
Sample result for 1205011-02 was qualified estimated "J" due to duplicate quality control sample outside of acceptance limits.

TSS Analyses Note:
All required instrument QC was run and was within the required criteria.

Anions Analyses Note:
All required instrument QC was run and was within the required criteria.